

## ABSTRACT

In a predictive action determination apparatus (10), a state observation section (12) observes a state with respect to an environment (11) and obtains state data  $s(t)$ . An environment prediction section (13) predicts, based on the state data  $s(t)$ , a future state 5 change in the environment. A target state determination section (15) determines, as a target state, a future state suitable for action determination with reference to a state value storage section (14). A prediction-based action determination section (16) determines an action based on a determined target state.